

Sixth Meeting of the Third

Renewable Energy & Energy Efficiency Advisory Committee To the Secretary of Commerce

May 24, 2016

U.S. Department of Commerce

Herbert H. Hoover Building – Suite 1412

MINUTES

Welcome, introductions, DOC and Chair updates

- Meeting was opened by REEEAC Chair Scott Sklar and Designated Federal Officer Vickie Gunderson, who welcomed the committee, thanked members for the service, walked through the agenda, facilitated introductions of attendees [See “Attendees ...”], and provided updates on Department of Commerce activities and events relevant to RE & EE industries, such as:
 - The National Ethanol Conference (NEC), an executive-level event organized by the Renewable Fuels Association, took place in New Orleans February 15-17, 2016. The NEC participated in the International Buyers Program (IBP) Select for the first time this year, and the international delegations - Brazil, Mexico, the Philippines, India, and China - were recruited based on the Renewable Fuels Top Markets Report. On Wednesday, February 17, Deputy Undersecretary Ken Hyatt delivered a keynote speech on “U.S. Department of Commerce: A Partner for Ethanol Export Promotion” at the conference.
 - Hannover Messe, which took place from April 25-29, 2016, was a priority event for the Department. President Barack Obama, Secretary Penny Pritzker, and numerous other VIPs attended and spoke at the trade show. Department of Commerce employees traveled to Hannover Messe to support more than 400 U.S. businesses in attendance. The event represented a rare combination of DOC trade promotion and policy programs and events that offered businesses the chance to both stage exhibitions and network with commercial officers.
 - Deputy Undersecretary Ken Hyatt led a Renewable Energy Trade mission to Mexico from May 16-18. The group, which included representatives from EXIM, held meetings targeting opportunities for U.S. equipment suppliers, technology providers and integrators, and a wide range of service providers operating in the solar, wind, renewable fuels, geothermal, and hydro power sub-sectors.
 - OEEI Director Adam O’Malley will hold a seminar, Federal Resources to Support Clean Energy Technologies in International Markets, at the June 2, 2016 Clean Energy Ministerial in San Francisco.
 - SelectUSA will hold an Investment Summit June 19-21, 2016 in Washington.
 - This year’s NIST Global Cities Team Challenge will take place in June in Austin, Texas.
 - The next Discover Global Markets forum, under the theme Building Smart Cities, will take place November 1-3, 2016 in Chicago.
- Cora Dickson with OEEI discussed upcoming changes to the Renewable Energy and Energy Efficiency Advisory Committee (RE&EEAC) website:
 - Modifications are in the early stages and feedback to make the portal’s information more relevant to these sectors welcomed.

- New export.gov will include Toolkits, following the EnviroTech model. Toolkit is much more buyer-oriented, as opposed to the rest of the portal which is largely export-oriented
- RE3 app is still in beta version, with a plan to populate it with more companies. Focused largely on diplomacy and reflects collaboration between the Departments of State, Energy, and Commerce.
- Attendees shared that they would like to see conformity in the use of various industries “terms of art,” so that searches using different keywords will all lead to the same place.

Industry & the clean Energy Manufacturing Analysis Center’s (CEMAC) Benchmark Report – Preliminary Results and Discussion

- Brian Walker with DOE and Jill Engel-Cox with the National Renewable Energy Laboratory (NREL) presented on the Clean Energy Manufacturing Analysis Center (CEMAC). [See presentation.]
 - CEMAC was launched last year under NREL’s Joint Institute for Strategic Energy Analysis and reflects an interest in broadening NREL’s technology analysis to include analysis looking at the entire value chain for clean energy manufacturing.
 - The primary audience for CEMAC’s products is government (Federal, state, and local) and industry decision-makers
 - The work’s focus is clean energy technologies that either produce fewer environmental impacts than conventional technologies or allow existing technologies to operate more efficiently. The scope of inquiry includes all sectors – electricity generation, fuel production, sustainable transportation
 - CEMAC’s Mission is to become a definitive world leader for credible, objective, recurring global clean energy manufacturing analysis to promote the transition to a clean energy economy by:
 - Delivering analysis, benchmarking, insight of supply chains and manufacturing for clean energy tech
 - Engaging decision-makers to inform decisions on investment and policy
 - Developing models, tools, and publications
 - Increasing capacity of other analysts through collaboration and training, making methodologies and results transparent, and engaging with students and universities to gain access and consider this industry as a career option
- REEEAC Members provided feedback the presentation:
 - Noted the importance of critical minerals and materials to the clean energy products value-chain
 - Underscored the cost break-down by supply-chain component highlights choke-points that could be utilized by policymakers to draft preferential trade/industrial policies
 - Highlighted work by ISO focused on reducing manufacturing waste
 - Expressed interest in providing further feedback to NREL as it drafts its “benchmark report” and requested that questions be funneled to them through DOC

Department of Commerce Smart Cities Resource Guide and Infrastructure Initiative – Briefing and Discussion

- Vinay Singh and Rachel Croft from the Department of Commerce presented on the Smart Cities Resource Guide and Infrastructure Initiative as it relates to U.S. exporters.

- Cindy Thyfault highlighted the work the Committee has done related to smart cities. She noted the smart cities planning worksheet as one example, where it is envisioned is to embed a process by which to empower staff to ask the right questions to help identify opportunities U.S. exporters and better inform the sub-sector market opportunities to focus DOC programs such as trade missions.
- REEEAC Members further provided comments and edits to the draft REEEAC Smart Cities Planning Worksheet and discussed additional sections to be included.
- The REEEAC Smart Cities Planning Worksheet was moved for adoption and approved unanimously with edits

Top Markets Briefing and Working Lunch

- Laura Taylor-Kale, Deputy Assistant Secretary for Manufacturing, welcomed the Committee and introduced herself to the group as a new appointee at DOC overseeing the Office of Energy and Environmental Industries.
- Cora Dickson and Vickie Gunderson provided a brief summary of the 2016 updated Top Markets reports on Renewable Energy and Smart Grid. [See presentation.]
- Committee members expressed hope that the reports would continue to be updated annually through the new Administration
- Committee members suggested using U.S. Trade and Development Agency export metrics as a possible data point
- Committee members suggested that the NREL CEMAC work could provide value information for the next iteration of Top Markets reports

Sustainable Energy for All (SE4All): Financing to Stimulate the Development of Renewable Fuels and Power Globally

- Gerry Ostheimer presented on the Sustainable Energy for All (SE4All) Initiative's Sustainable Bioenergy Group. [See presentation.]
 - Mr. Ostheimer underscored that there is a shortage of global public financing available to meet the global need, thus stimulating a clear role for the private sector.
 - He noted that the SE4All group is focused on finding ways to scale-up financing to create "high impact opportunities."
- Committee members discussed methods for "de-risking" projects and increasing the bankability
- Committee members emphasized the need for creating an "enabling regulatory environment" to stimulate private sector investment.

Recommendations, Discussion, and Next Steps

- On the Smart Transportation White Paper:
 - Sub-committee Chair Cindy Thyfault presented an overview of the draft Smart Transportation White Paper that was circulated in advance of the meeting.
 - Committee members moved and voted to unanimously to adopt the white paper.
- Scott Sklar presented the findings from the prioritization exercise of the forty-four REEEAC recommendations to date.
 - Mr. Sklar noted this was a "gut check" opportunity to determine, which previous recommendations
 - Committee members noted that recommendations from the last two charters remain the most relevant today.

- Scott Sklar underscored that financing remains a top priority for the REEEAC and encouraged DOC to continue to engage the U.S. interagency on this issue.
- Vickie Gunderson noted this exercise this is a helpful document to orient DOC engagement.
- The Committee moved to, and adopted, the prioritization document to reflect the REEEAC holistic member's perspective.

Public Comment Period; closure

- No public comments.
- Meeting adjourned approximately 3pm ET.

Attendees

	First Name	Last Name	Organization	
REEEAC Members	Bruce	Bauchmire	DLZ Corporation	In Person
	Mita	Burke	Sunshine Industries USA	In Person
	Matt	Card	Suniva	In Person
	Linda	Church Ciocci	National Hydropower Association	In Person
	Kelly	Davis	Renewable Fuels Association	By phone
	Jen	Derstine	Capstone Turbine Corporation	By Phone
	Joseph	Desmond	Brightsource Energy	By phone
	Matthew	Fedors	Leaf Clean Energy	In Person
	Terry	Fry	Nexant	In Person
	Kenneth	Kramer	Rushton Atlantic	In Person
	Ross	Malme	Skippping Stone	In Person
	Gary	Rackliffe	ABB Inc.	In Person
	Frank	Shaw	Skadden, Arps, Meagher, & Flom	In Person
	Fred	Sisson	Synnove Energy	In Person
	Scott	Sklar	The Stella Group	In Person
	Paula	Stern	The Stern Group	In Person
	Trey	Taylor	Verdant Power	In Person
	Cindy	Thyfault	Westar Trade Resources	In Person
Members of the Public	Rani	Chatrath	Geothermal Energy Association	In Person
	Jill	Engel-Cox	National Renewable Energy Laboratory	In Person
	Gerard	Ostheimer	Sustainable Energy For All	In Person
	Seth	Stulgis	Stion Corporation	In Person
U.S. Government	Vickie	Gunderson	U.S. Department of Commerce	In Person
	Cora	Dickson	U.S. Department of Commerce	In Person
	Derek	Schlickeisen	U.S. Department of Commerce	In Person
	Vinay	Singh	U.S. Department of Commerce	In Person
	Rachel	Croft	U.S. Department of Commerce	In Person
	Adam	O'Malley	U.S. Department of Commerce	In Person
	Man	Cho	U.S. Department of Commerce	In Person
	Sandra	Collazo	U.S. Department of Commerce	In Person
	Laura	Taylor-Kale	U.S. Department of Commerce	In Person

	Stephen	Sullivan	U.S. Department of Commerce	In Person
	David	Ross	U.S. Trade and Development Agency	In Person
	Elena	Berger	U.S. Department of Energy	In Person
	Rob	Sandoli	U.S. Department of Energy	In Person
	Brian	Walker	U.S. Department of Energy	In Person
	Andrew	Bennett	U.S. Agency for International Development	In Person